10.(AMENDED)   Process according to Claim 1, wherein it also comprises the step of emulating a register of availability of isochronous channels for each virtual bus.

11.(AMENDED)   Process according to Claim 1, wherein the step of reserving passband with the global register comprises the instigating of a request for reserving passband with a manager of isochronous resources of a virtual bus and for transmitting the request by the said manager of isochronous resources of the virtual bus to a software module managing the global register of passband availability.

12.(AMENDED)   Process according to Claim 1, wherein the bridge comprises at least three portals.

IN THE ABSTRACT:

Please add the following Abstract.

-- The invention relates to a process for managing resources in a communication network comprising at least two communication buses linked by way of a wireless transmission bridge, the said bridge comprising for each bus a real portal connected to this bus, each portal being furnished with wireless communication means. The process is characterized by the steps:
-    modelling the said wireless bridge by each real portal in the form of virtual buses and virtual bridges, each virtual bridge comprising two virtual portals;
-    emulating a global register of passband availability for the entire wireless bridge;
-    reserving passband with the said global register for each wireless link participating in a communication.
The invention applies in particular in field of home automation. --

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